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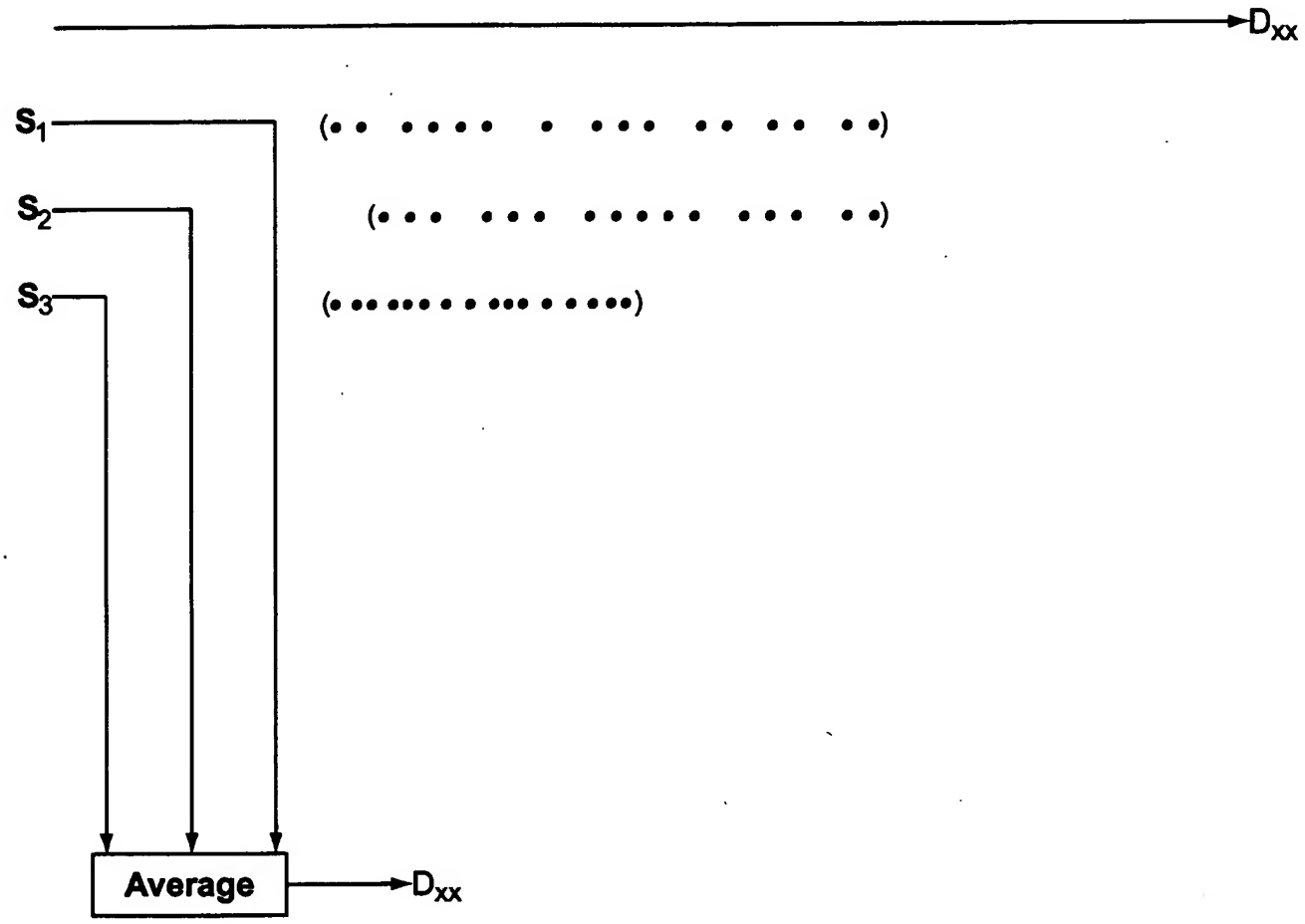

FIG. 1

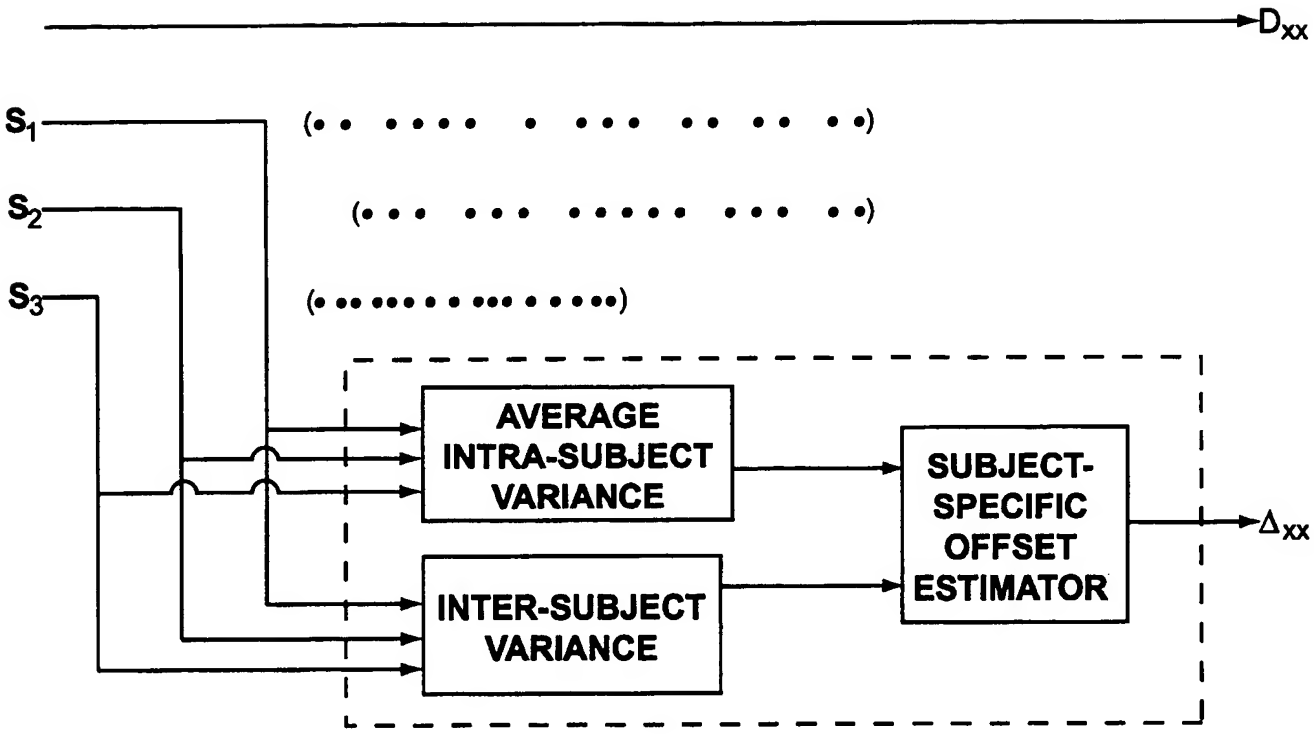
D_{xx}
S_1
S_2
S_3
AVERAGE INTRA-SUBJECT VARIANCE
INTER-SUBJECT VARIANCE
SUBJECT-SPECIFIC OFFSET ESTIMATOR
Δ_{xx}

FIG. 2

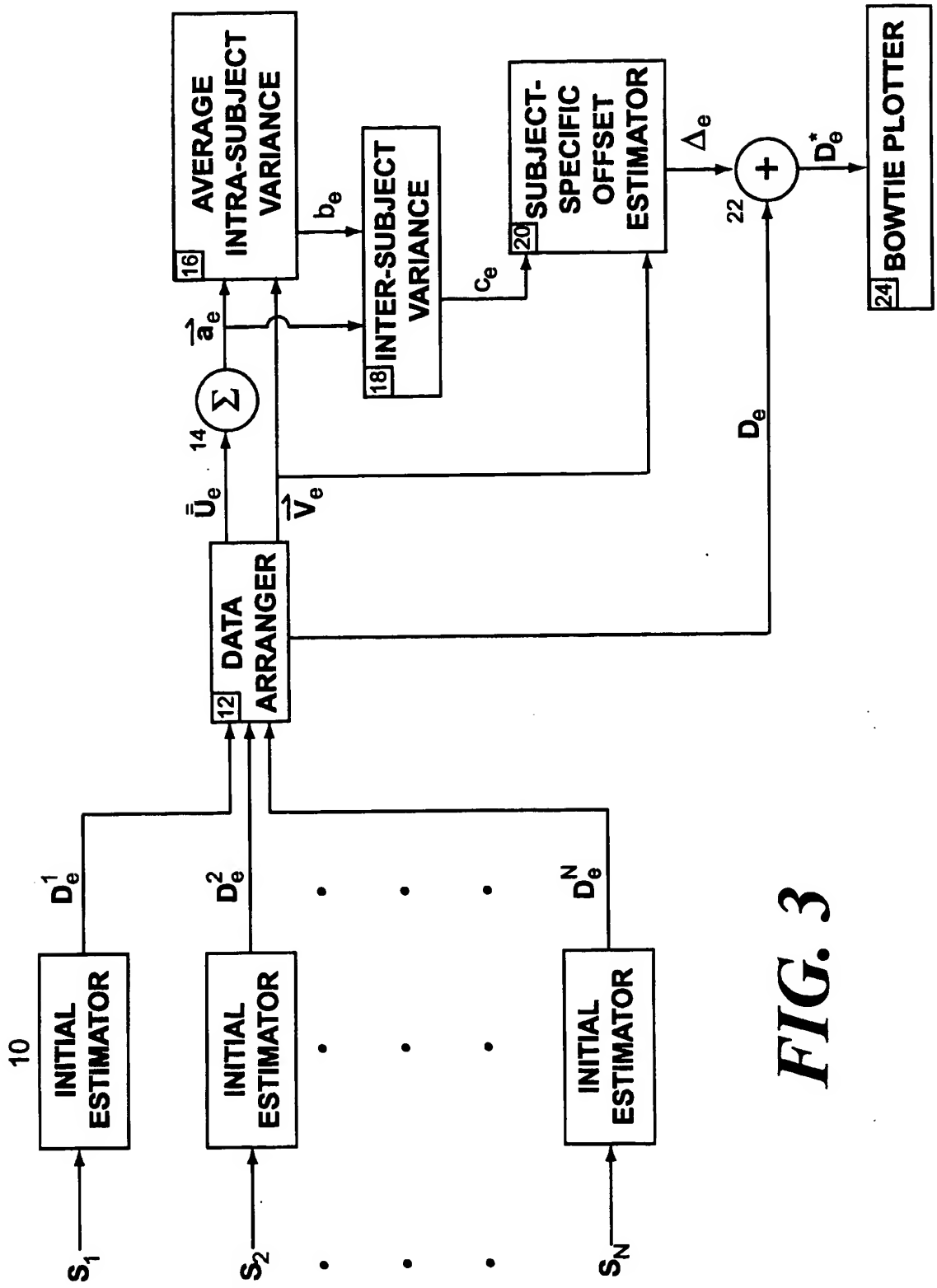
10
INITIAL ESTIMATOR
INITIAL ESTIMATOR
INITIAL ESTIMATOR
S_1
S_2
S_N
D_e^1
D_e^2
D_e^N
12 DATA ARRANGER
$\bar{U}_e$
$\bar{V}_e$
14
Σ
$\bar{a}_e$
16 AVERAGE INTRA-SUBJECT VARIANCE
b_e
18 INTER-SUBJECT VARIANCE
c_e
20 SUBJECT-SPECIFIC OFFSET ESTIMATOR
Δ_e
22
+
D_e
D_e^*
24 BOWTIE PLOTTER

FIG. 3

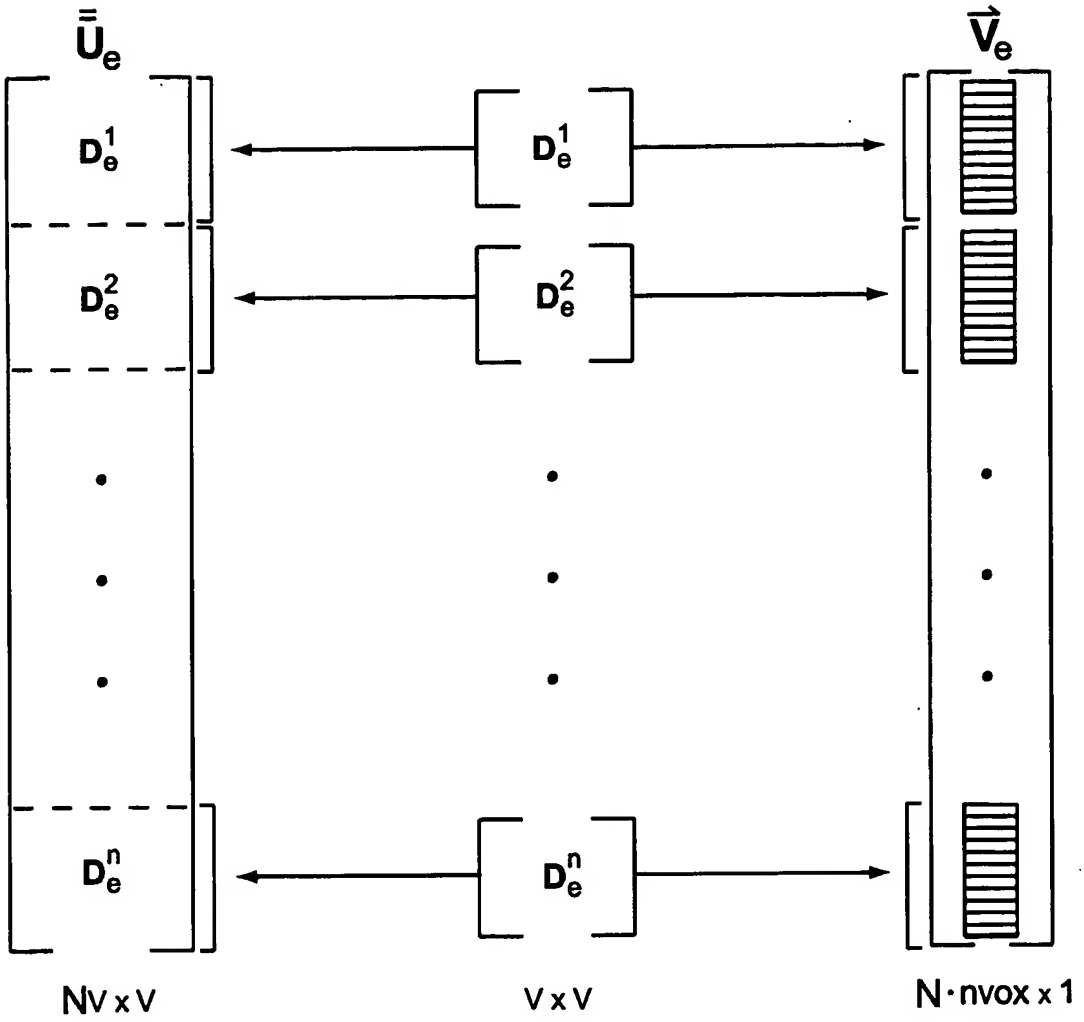

FIG. 4

$e = 0$

while $e \leq 6$

{ $e = e + 1$

$$\vec{a}_e = \overline{\overline{u}}_e \cdot \vec{1}_{mvox} \quad \sim 26$$

$$\left.\begin{aligned} \vec{r}_e &= \vec{v}_e - \vec{1}_{mvox} \otimes \vec{a}_e \\ b_e &= \left(\frac{\vec{r}_e^{\,T} \vec{r}_e}{N(v^2-1)} \right) \end{aligned}\right\} \sim 28$$

$$c_e = \left(\frac{\text{trace}\left(\vec{a}_e \vec{a}_e^{\,T} \right)}{N-1} \right) - b_e \quad \sim 30$$

$$\vec{\delta}_e = \frac{c_e \left(\vec{1}_{mvox} \otimes \overline{\overline{I}}_N \right)^T \vec{r}_e}{N(v-1)} \quad \sim 32$$

$$\left.\begin{aligned} \overline{\overline{\Delta}}_e &= \vec{\delta}_e \otimes \overline{\overline{J}}_v \\ \overline{\overline{D}}_e^{*} &= \overline{\overline{D}}_e + \overline{\overline{\Delta}}_e \end{aligned}\right\} \sim 34$$

}

FIG. 5

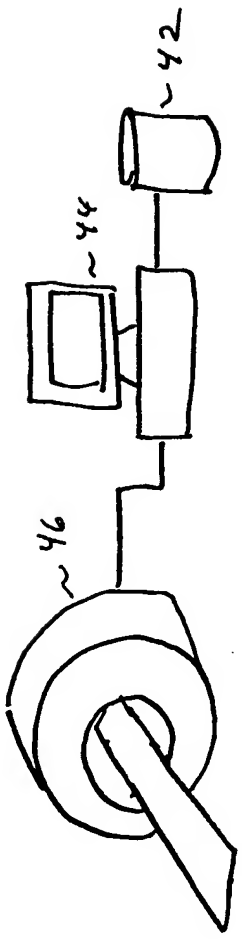

FIG. 6

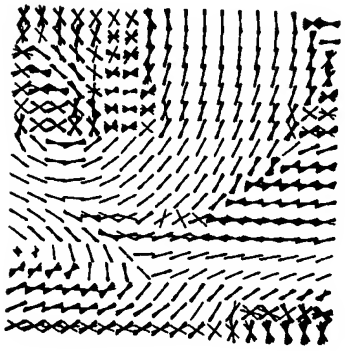

FIG. 8

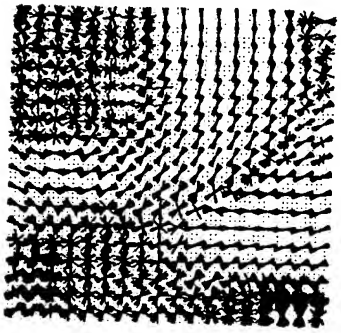

FIG. 7